

# Relativistic kinetic equations for inelastically interacting particles in a gravitational field

Ignat'ev Y.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

## Abstract

The relativistic canonical formalism is used to construct the kinetic equations for a gas in a gravitational field, whose particles interact with one another via numerous inelastic collisions. Boltzmann's H-theorem is proved for T-invariant interactions. © 1984 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF00898875>

---